Fig. 1A

tgacttggatgtagacctcgaccttcacaggactcttcattgctggttggcaatg ATG TAT CGG CCA GAT GTG GTG AGG GCT AGG AAA AGA GTT TGT TGG GAA CCC TGG GTT ATC GGC CTC GTC ATC TTC ATA TCC CTG ATT GTC CTG GCA GTG TGC ATT GGA CTC ACT GTT CAT TAT GTG AGA TAT AAT CAA 134 AAG AAG ACC TAC AAT TAC TAT AGC ACA TTG TCA TTT ACA ACT GAC AAA CTA TAT GCT GAG TTT GGC AGA GAG GCT TCT AAC AAT TTT ACA GAA ATG AGC CAG AGA CTT GAA TCA ATG GTG AAA AAT GCA TTT TAT AAA TCT CCA TTA AGG GAA GAA TTT GTC AAG TCT CAG GTT ATC AAG TTC AGT CAA CAG AAG CAT GGA GTG TTG GCT CAT ATG CTG TTG ATT TGT AGA TTT CAC TCT ACT GAG GAT CCT GAA ACT GTA GAT AAA ATT GTT CAA CTT GTT TTA CAT GAA AAG CTG CAA GAT GCT GTA GGA CCC CCT AAA GTA GAT CCT CAC TCA GTT AAA ATT AAA AAA ATC AAC AAG V K I K K ACA GAA ACA GAC AGC TAT CTA AAC CAT TGC TGC GGA ACA CGA AGA AGT AAA ACT CTA GGT 167 S Y L N H CAG AGT CTC AGG ATC GTT GGT GGG ACA GAA GTA GAA GAG GGT GAA TGG CCC TGG CAG GCT 187 L RAI AGC CTG CAG TGG GAT GGG AGT CAT CGC TGT GGA GCA ACC TTA ATT AAT GCC ACA TGG CTT S L Q W D G S H (R C G A T L I N A T W L 733 GTG AGT GCT GCT CAC TGT TTT ACA ACA TAT AAG AAC CCT GCC AGA TGG ACT GCT TCC TTT 734 793 227 AAHCFTY K N P A R W GGA GTA ACA ATA AAA CCT TCG AAA ATG AAA CGG GGT CTC CGG AGA ATA ATT GTC CAT GAA 794 G L R 854 AAA TAC AAA CAC CCA TCA CAT GAC TAT GAT ATT TCT CTT GCA GAG CTT TCT AGC CCT GTT 913 Y D SLAEL CCC TAC ACA AAT GCA GTA CAT AGA GTT TGT CTC CCT GAT GCA TCC TAT GAG TTT CAA CCA 287 GGT GAT GTG ATG TTT GTG ACA GGA TTT GGA GCA CTG AAA AAT GAT GGT TAC AGT CAA AAT K N D CAT CTT CGA CAA GCA CAG GTG ACT CTC ATA GAC GCT ACA ACT TGC AAT GAA CCT CAA GCT 1093 LIDATTCN TAC AAT GAC GCC ATA ACT CCT AGA ATG TTA TGT GCT GGC TCC TTA GAA GGA AAA ACA GAT T ... P R MLCAGSL GCA TGC CAG GGT GAC TCT GGA GGA CCA CTG GTT AGT TCA GAT GCT AGA GAT ATC TGG TAC 1213 D S CTT GCT GGA ATA GTG AGC TGG GGA GAT GAA TGT GCG AAA CCC AAC AAG CCT GGT GTT TAT 1273 ACT AGA GTT ACG GCC TTG CGG GAC TGG ATT ACT TCA AAA ACT GGT ATC TAA gagagaaaagcc 1336 1274 407 tcatggaacagataacattttttttttttttgttttttgggtgtggaggccatttttagagatacagaattggagaagacttgca 1416 aaacagctagatttgactgatctc<u>aataaa</u>ctgtttgcttgatgcaaaaaaaaa

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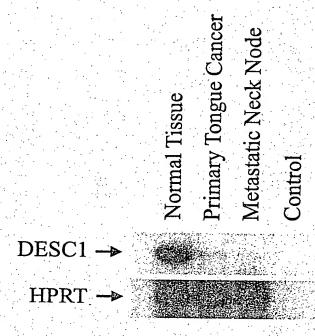
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1	tga	cttg	gatg	tagad	ctc	gacci	ttca	cagga	actci	ttca	ttgc	tggt	tggc	aatg	ATG M	TAT Y	CGG R	CCA P	GAT D	GTG V	73 6
74 7	GTG V	AGG R	GCT A	AGG R		AGA R	GTT V	TGT C	TGG W	GAA E	CCC P	TGG W	GTT V	ATC I		CTC L		ATE	TTC F	ATA I	133 26
134 27	TCC S	CTG L	ATT I	GTC V		GCA A	GTG V	TGC C	ATT I	GGA G	Grc V	ACT T	GTT V		TAT Y	GTG V	AGA R	TAT Y	AAT N	CAA Q	193 46
194 47	AAG K	AAG K	ACC T	TAC Y	AAT N	TAC Y	TAT Y	AGC S	ACA T		TCA S	TTT F		ACT T						GAG E	253 66
254 67	TTT E	GGC G			GCT A	TCT S				ACA T		ATG M		CAG Q		CTT L	GAA E	TCA S	ATG M	GTG V	313 86
314 87	AAA K	AAT N	GCA A	TTT F	TAT Y		TCT S		TTA L	AGG R	GAA E	GAA E	TTT F		AAG K	TCT S	CAG Q	GTT V	ATC	AAG K	373 106
374 107	TTC F		CAA Q		AAG K		GGA G		TTG L		CAT H		CTG L	TTG L	ATT I		AGA R		CAC H		433 126
434 127	ACT T	GAG E	GAT D	CCT P	GAA E	ACT T	GTA V	GAT D	AAA K	ATT	GTT V	CAA Q	CTT L	GTT V	TTA L	CAT H		AAG	100		493 146
494 147	GAT D		GTA V	GGA G	CCC	CCT P	AAA K		GAT D		CAC	TCA	GTT	AAA	АТТ	AAA		ATC		AAG K	553 166
554 167	ACA T	GAA	ACA T					AAC			,		e de la	CGA	AGA	AGT	AAA	ACT	CTA	Tri-	613
614 187	CAG	AGT	CTC	AGG	ATC	GTT	GGT	GGG	ACA	GAA	GTA	GAA	GAG	GGT	GAA		ccc				186 673
674			L CAG		GAT			CAT					ACC			AAT			TGG		733
734	GTG	L AGT	Q GCT	W GCT	D <u>C</u> AC	G TGT	S TTT	H ACA			G AAG	•		GCC	I AGA	N TGG		GCT		L TTT	226 793
794	V GGA	S GTA	A AC <u>A</u>		H AAA	CCT		T AAA	T ATG	Y AAA			P	A CGG	R AGA	5 - 1	T ATT		· · · ·	F GAA	246 853
247 854	G	V	T AAA	I·	K	P	S	K	M .	K	R	G.	L	R	R	I .	I.	۷.,	Н	E	266 913
267 914	K	Y		H	P .	S	H	D	Y	P	I	S	L	A	E .	L	S	S	P	V	286
287 974	P	Y	Ţ	N	A	V	H	R	V	C . ;	L	P	D	A	S	Y	E	F	Q	P	973 306
307	G	D		M	F	V	T	G	F	G	A	L	K	N	D	G	Y	S	Q	N	1033 326
327	н	L	CGA R	Q .:	A	Q	V	T	r	Ι	D	A	T	T	С	'n	E	P	Q	A	1093 346
	Y	N .	GAC D	A	I :	T	P .	R	M	L	C.	A	G	S	L.	E.	G	K	T	D	1153 366
154 367	A	С	Q	G	D [S	G ^	G	₽.	L	ν.	S	S	.D '	A	R	D	I	W	Y	386
214 387	CTT L	GCT A	GGA G	ATA I	GTG V	AGC S	TGG S	GGA G	GAT D	GAA E	TGT C	GCG A	AAA K	CCC P	AAC N	AAG K	CCT P	GGT G	GTT V	TAT Y	1273 406
274 407	ACT T	AGA R	GTT V	ACG T	GCC A	TTG L	CGG R	GAC D	TGG W	ATT I	ACT T	TCA S	AAA K	ACT T	GGT G	ATC	TAA	gaga	gaaa		1336 423
.337				11.5	. :				. :				tttt	agaç	atac				gact		1416
.417	aaac	cagct	agat	ttga	ıctga	tctc	aata	<u>iaa</u> ct	gttt	gctt	gatg	rcaaa	aaaa	aaa					ູ່ .		1471

1.

Fig. 1B (con't)

- A 1X	1:1	•			•					•	:	-							:		
1	tga	cttg	gatg	taga	cctc	gacc	ttca	cagg	actc	ttca	ttgc	tggt	tggc	aatg		TAT Y	CGG R	CCA P	GAT D	GTG V	73 6
. 74 7	GTG V	AGG R	GCT A	AGG R	AAA K	AGA R	GTT V	TGT C	TGG W	GAA E	CCC	TGG W		ATC I	GGC G	CTC L		ATG M	TTC F	ATA I	133 26
134 27	TCC S	CTG L	ATT I	GTC V	CTG L	GCA A	GTG V	TGC C	ATT I	GGA G			GTT V			GTG V	AGA R	TAT Y		CAA Q	193 46
194 47	AAG K	AAG K	ACC T	TAC Y	AAT N	TAC Y	TAT Y	AGC S	ACA T	TTG L	TCA S	TTT F	ACA T	ACT T	GAC D		CTA L	TAT Y	_	GAG E	253 66
254 67	TTT F	GGC G	AGA R	GAG E	GCT A	TCT S	AAC N	AAT N	TTT F	ACA T	GAA E	ATG M	AGC S	CAG Q	AGA R	CTT L	GAA E	TCA S	ATG M	GTG V	313 86
314 87	AAA K	AAT N	GCA A	TTT F	TAT Y	AAA K	TCT	CCA P	TTA L	AGG R	GAA E	GAA E	TTT F	GTC V	AAG K	TCT S	CAG Q	GTT V	ATC I		373 106
374 107	TTC F	AGT S	CAA Q	CAG Q	AAG K	CAT H	GGA G	GTG V	TTG L	GCT A	CAT H	ATG M	CTG L	TTG L		TGT C		TTT F	CAC H	TCT S	433 126
434 127	ACT T	GAG E	GAT D	CCT P	GAA E	ACT T	GTA V	GAT D	AAA K	ATT I	GTT V	CAA Q	CTT L	GTT V	TTA		GAA E		CTG L		493 146
494 147	GAT D	GCT A	GTA V	GGA G	CCC P	CCT P	AAA K	GTA V	GAT D	CCT P	CAC	TCA S	GTT V	' AAA K	ATT I	AAA K	AAA K	ATC	AAC N		553 166
554 167	ACA T	GAA E	ACA T	GAC D	AGC S	TAT Y	CTA L	AAC N	CAT H	TGC C	TGC C	GGA G	ACA T	CGA R	AGA R	AGT S	AAA K		*.		613 186
614 187	CAG Q	AGT S	CTC L	AGG R Д	ATC I	GTT V	GGT G	GGG G	ACA T	GAA E	GTA V	GAA E	GAG E	GGT G	GAA E			TGG W		GCT A	673 206
674 207	AGC	CTG L	CAG Q	TGG W	GAT D	GGG G	AGT S	CAT H	CGC R	TGT C		GCA A		TTA L			GCC A	ACA T	TGG W	CTT L	733 226
734 227	GTG V	AGT S	GCT A	GCT A	CAC H	TGT C	TTT F	ACA T	ACA T	TAT Y	AAG K		CCT P		AGA R			GCT A	TCC		793 246
794 247	GGA G	GTA V	AC <u>A</u> T	ATA I	AAA K	CCT P	TCG S	AAA K	ATG M	AAA K	CGG R	GGT G	CTC L	CGG R	AGA R	ATA I	ATT I	GTC V	CAT H	GAA E	853 266
854 267	AAA K	TAC Y	AAA K	CAC H	CCA P	TCA S	CAT H	GAC D	TAT Y	GAT D	ATT I	TCT S			GAG E			AGC S		GTT V	913 286
914 287	CCC P	TAC Y	ACA T	AAT N	GCA A	GTA V	CAT H	AGA R	GTT V	TGT C	CTC	CCT P	GAT D	GCA A	TCC S	TAT Y	GAG E	TTT F	CAA Q	CCA P	973 306
974 307	GGT G	GAT D	GTG V	ATG M	TTT F	GTG V	ACA T	GGA G	TTT F	GGA G	GCA A	CTG L	AAA K	AAT N	GAT D	GGT G	TAC Y	AGT S			1033 326
1034 327	CAT H	CTT L	CGA R	CAA Q	GCA A	CAG Q	GTG V	ACT T	CTC L	ATA I	GAC D	GCT A	ACA T	ACT T	TGC C		GAA E			GCT A	1093 346
1094 347	TAC Y	AAT N	GAC D	GCC A	ATA I	ACT T	CCT P	AGA R	ATG M	TTA L	TGT C	GCT A	GGC G	TCC S		GAA E		AAA K	ACA T	GAT D	1153 366
1154 367	GCA A	TGC C	CAG Q	GGT G	GAC D [TCT S	GGA G	GGA G	CCA P	CTG	GTT V	AGT S	S .	D	GCT A	AGA R	GAT D	ATC I	TGG W		1213 386
1214 387	CTT L	GCT A	GGA G	ATA I	GTG V	AGC S	TCG S	G	ט	E .	TGT C	A·	AAA K	CCC	AAC N	AAG K	P	G '			1273 406
1274 407	ACT T	AGA R	GTT ' V	ACG T	GCC A	TTG L	CGG	GAC	TGG	ATT	ACT	TCA	AAA	ACT		атс Г	TAA		gaaa		1336 423
1337	tcat	ggaa	caga	taac	attt	ttt	ttgt	tttt	tggg	tġtg	gagg	ccat	tttt	agag	atac			agaa	gact	tgca	1416
1417	aaac	agct	agat	ttga	ctga	tctc	aata	<u>aa</u> ct	gttt	gctt	gatg	caaa	aaaa	aaa	 V					d	1471

Fig. 2





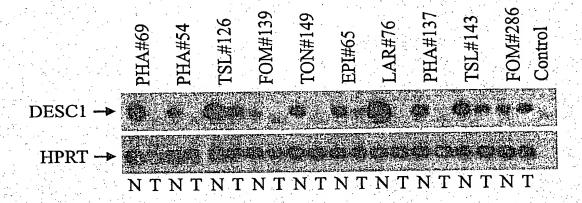
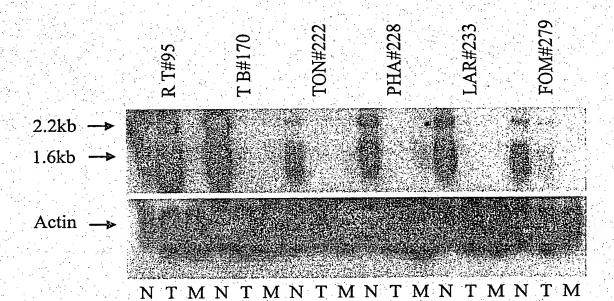


Fig. 3B



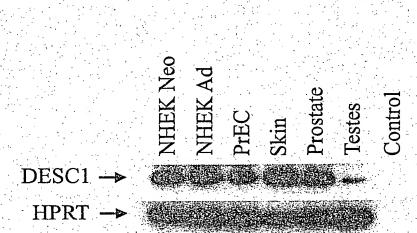


Fig. 4

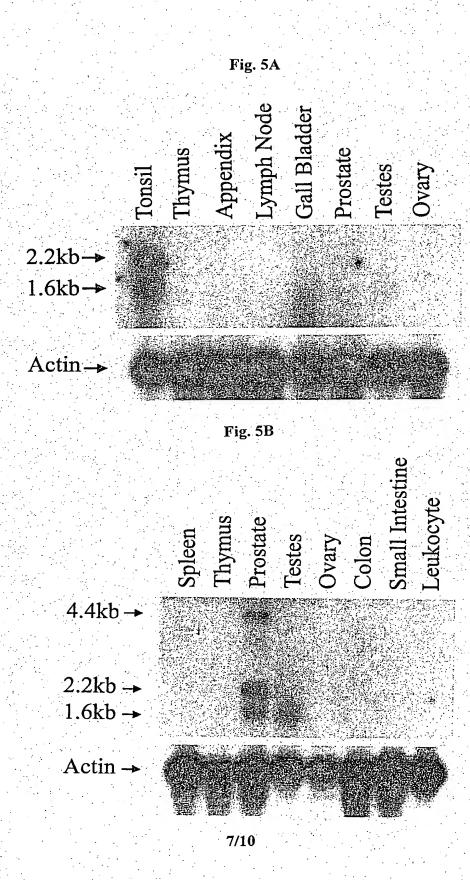
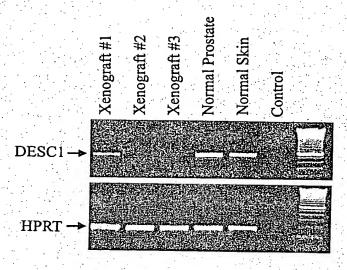
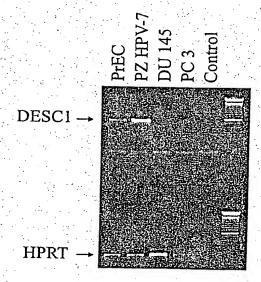


Fig. 6





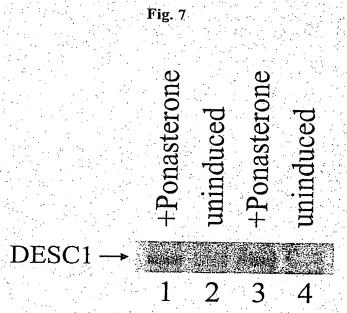


Fig. 8

